

**Missile Defense Agency
 Military Construction, Defense-Wide
 FY 2007 Budget Estimates
 (\$ in Thousands)**

<u>State/Country/Installation/Project</u>	<u>Auth. Request</u>	<u>Approp. Request</u>	<u>New/Current Mission</u>	<u>Page No.</u>
Kwajalein				
Kwajalein Atoll				
Launch Control Facility Life Safety				
Upgrades	7,592	7,592	C	138
Total	7,592	7,592		

1. COMPONENT MDA		FY 2007 MILITARY CONSTRUCTION PROGRAM					2. DATE February 2006																											
3. INSTALLATION AND LOCATION Kwajalein Atoll, Kwajalein					4. COMMAND Missile Defense Agency			5. AREA CONSTR. COST INDEX 2.33																										
6. PERSONNEL STRENGTH: N/A Tenant of U.S. Army	PERMANENT			STUDENTS			SUPPORTED																											
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	TOTAL																								
7. INVENTORY DATA (\$000)																																		
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">A. TOTAL ACERAGE</td> <td style="width: 20%; text-align: right;">.....</td> <td style="width: 20%;">N/A</td> </tr> <tr> <td>B. INVENTORY TOTAL AS OF</td> <td style="text-align: right;">.....</td> <td>N/A</td> </tr> <tr> <td>C. AUTHORIZATION NOT YET IN INVENTORY</td> <td style="text-align: right;">.....</td> <td>4,901</td> </tr> <tr> <td>D. AUTHORIZATION REQUESTED IN THE FY2007</td> <td style="text-align: right;">.....</td> <td>7,592</td> </tr> <tr> <td>E. AUTHORIZATION REQUESTED IN THE FY2008</td> <td style="text-align: right;">.....</td> <td>0</td> </tr> <tr> <td>F. PLANNED IN NEXT THREE PROGRAM YEARS</td> <td style="text-align: right;">.....</td> <td>0</td> </tr> <tr> <td>G. REMAINING DEFICIENCY</td> <td style="text-align: right;">.....</td> <td>0</td> </tr> <tr> <td>H. GRAND TOTAL</td> <td style="text-align: right;">.....</td> <td>12,493</td> </tr> </table>											A. TOTAL ACERAGE	N/A	B. INVENTORY TOTAL AS OF	N/A	C. AUTHORIZATION NOT YET IN INVENTORY	4,901	D. AUTHORIZATION REQUESTED IN THE FY2007	7,592	E. AUTHORIZATION REQUESTED IN THE FY2008	0	F. PLANNED IN NEXT THREE PROGRAM YEARS	0	G. REMAINING DEFICIENCY	0	H. GRAND TOTAL	12,493
A. TOTAL ACERAGE	N/A																																
B. INVENTORY TOTAL AS OF	N/A																																
C. AUTHORIZATION NOT YET IN INVENTORY	4,901																																
D. AUTHORIZATION REQUESTED IN THE FY2007	7,592																																
E. AUTHORIZATION REQUESTED IN THE FY2008	0																																
F. PLANNED IN NEXT THREE PROGRAM YEARS	0																																
G. REMAINING DEFICIENCY	0																																
H. GRAND TOTAL	12,493																																
8. PROJECTS REQUESTED IN THE FY2007 PROGRAM:																																		
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS																														
3712	Launch Control Facility Life Safety Upgrades, Meck Island	LS	7,592	START	COMPLETE																													
				Mar 05	Jun 06																													
9. FUTURE PROJECTS:																																		
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)																															
	NONE																																	
10. MISSION OR MAJOR FUNCTIONS: The mission of the Missile Defense Agency is to develop and field an integrated Ballistic Missile Defense System capable of providing a layered defense for the homeland, deployed forces, friends and allies against ballistic missiles of all ranges in all phases of flight.																																		
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:																																		
A. Air Pollution:			N/A																															
B. Water Pollution:			N/A																															
C. Occupational Safety and Health (OSH):			N/A																															

. COMPONENT MDA		FY 2007 MILITARY CONSTRUCTION PROJECT DATA		2. DATE February 2006	
3. INSTALLATION AND LOCATION/UIC: Kwajalein Atoll, Kwajalein Islands			4. PROJECT TITLE Launch Control Facility Life Safety Upgrades, Meck Island		
5. PROGRAM ELEMENT 0603888C		6. CATEGORY CODE 3712	7. PROJECT NUMBER MDA-571	8. PROJECT COST (\$000) 7,592	

9. COST ESTIMATES				
ITEM	U/M (M/E)	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				
Emergency Exit Stairway Addition	LS			5,891
Fire Protection/Life Safety Upgrades	LS			(535)
Replace Roof	SM(SF)	6,550 (70,500)	334 (31.02)	(3,169)
SUPPORTING FACILITIES				
Communications	LS			916
Electrical Services	LS			(224)
Water, Sewer	LS			(184)
Site Imp ()/Demo (258)	LS			(250)
				(258)
SUBTOTAL				
CONTINGENCY (5.0%)				6,807
TOTAL CONTRACT COST				340
SIOH (6.5%)				7,147
TOTAL REQUEST				445
TOTAL REQUEST (ROUNDED)				7,592
EQUIPMENT OTHER APPROP (NON-ADD)				7,592
				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Upgrade the fire protection system and life safety requirements for the Launch Control Facility on Meck Island. Work includes installing fire sprinklers, fire alarm, emergency lighting, fire rated doors, and constructing egress corridor walls and stairway emergency egress. Replace 6,550 SM of built up roofing and a rain catchment system composed of 2,586 SM of coral sand fill. Replace flashing and counter-flashing along walls, fascias, roof drains, scuppers, and coral sand fill rain catchment components as part of the new roof system. Supporting facilities include new electrical, communications, and water lines to the building for the new fire protection system. Air conditioning (20 tons) will be provided by self-contained units.

11. REQUIREMENT: 6,550 SM ADEQUATE: 0 SM SUBSTANDARD: 6,550 SM

PROJECT: Upgrade the fire protection system, correct life safety code deficiencies and replace roof of the Launch Control Facility, Meck Island to bring the building up to current standards. (Current Mission)

REQUIREMENT: The Launch Control Facility supports Missile Defense Agency (MDA) testing of the Ballistic Missile Defense System (BMDS). The Launch Control Facility houses the missile launch control room, administrative office space, workshops, storage area, and mechanical rooms. This project will correct fire, life and safety code deficiencies identified in the U.S. Army Corps of Engineers Fire Protection and Risk Assessment, thereby protecting MDA personnel, physical plant and equipment. The Launch Control Facility has 6,550 SM of roof area that leaks and requires replacement. There are approximately (7) seven different roof elevations that make up the total roof system.

CURRENT SITUATION: The Launch Control Facility houses the MDA mission control and administrative operations in a 1960's era structure. The MDA Launch Control Facility does not have an adequate fire sprinkler system and has limited emergency lighting, illuminated exit signs, and emergency egress. The existing fire alarm system is

. COMPONENT MDA		FY 2007 MILITARY CONSTRUCTION PROJECT DATA		2. DATE February 2006	
3. INSTALLATION AND LOCATION/UIC: Kwajalein Atoll, Kwajalein Islands			4. PROJECT TITLE Launch Control Facility Life Safety Upgrades, Meck Island		
5. PROGRAM ELEMENT 0603888C		6. CATEGORY CODE 3712	7. PROJECT NUMBER MDA-571	8. PROJECT COST (\$000) 7,592	

outdated and does not meet current safety codes. The building has numerous fundamental life, safety and fire protection system deficiencies. The roof throughout the building leaks, directly impacting administrative, communications, optics, mission control, and electrical distribution areas. The rain catchment system integrated into the facility's roof has failed and is inoperative, exacerbating the problems. Personnel and equipment are at risk.

IMPACT IF NOT PROVIDED: If this project is not provided, MDA test personnel and high dollar value equipment are at risk of significant damage. Personnel and equipment will continue to operate in a high risk environment due to an inadequate fire protection system and emergency egress features. A direct risk to missions exists as new roof leaks develop. These leaks threaten damage to test control equipment and electrical distribution equipment such as main control/breaker panels, communications and optic networks. Loss of this facility would preclude MDA testing of the BMDS at Meck Island until a new structure is constructed or repairs completed, there by delaying the United States in developing a missile defense shield to protect itself and its friends from foreign threats.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combating terrorism measures are required. An economic analysis was not prepared as there are no feasible alternatives. Sustainable principles will be integrated into the development, design and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders. The appropriate environmental analysis will be completed before construction.

12. SUPPLEMENTAL DATA:

A. Estimated Design Date

(1) Status

(a) Estimated Start Date	MAR 2005
(b) % complete as of 1 Jan 06	50%
(c) 35% Complete as of	SEP 2005
(d) Date Design Complete	Jun 2006
(e) Parametric Cost Estimating Used to Develop Costs	No
(f) Type of Contract	Design-Bid-Build

(2) Basis

(a) Standard or Definitive Design	NO
(b) Where Design was most recently used	N/A

(3) Total Design Cost (\$000)

(a) Production of Plans and Specifications	268
(b) All other Design Costs	461
(c) Total Cost (c) = (a)+(b) or (d)+(e)	729
(d) Contract	513
(e) In-house	216

(4) Construction Contract Award Date	DEC 2006
--------------------------------------	----------

(5) Construction Start Date	MAR 2007
-----------------------------	----------

(6) Construction Complete Date	OCT 2008
--------------------------------	----------

B. Equipment associated with this project which will be provided from other appropriations: None